## AMENDMENTS TO THE CLAIMS

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1. (Currently Amended) A power transmission chain entrainable between a first pulley possessing conical sheave surfaces and a second pulley possessing conical sheave surfaces, the power transmission chain comprising a plurality of links each possessing through-holes, and a plurality of pins inserted through the through-holes for interconnecting the plural-plurality of links; used as entrained between a first pulley possessing conical sheave surfaces and a second pulley possessing conical sheave surfaces; and operating, the power transmission chain being operable to transmit power by way of contact between opposite end faces of the pins and the sheave surfaces of the first and second pulleys,

wherein all the <u>plural pinsplurality of pins</u> substantially have the same length in the longitudinal direction thereof, <u>while and</u> the <u>plural pinsplurality of pins</u> include plural types of pins <u>which have mutually having</u> different rigidities <u>against force acting</u> in the longitudinal direction thereof.

2. (Currently Amended) A power transmission chain entrainable between a first pulley possessing conical sheave surfaces and a second pulley possessing conical sheave surfaces, the power transmission chain comprising a plurality of links, and a plurality of pins for interconnecting these the plurality of links, ; used as entrained between a first pulley possessing conical sheave surfaces and a second pulley possessing conical sheave surfaces; and operating the power transmission chain being operable to transmit power by way of contact between opposite end faces of the pins and the sheave surfaces of the first and second pulleys,

wherein all the <u>plural pinsplurality of pins</u> substantially have the same length in the longitudinal direction thereof, <u>while-and</u> the <u>plural-pinsplurality of pins</u> include plural types of pins <u>which have mutually having</u> different sectional shapes or sectional areas as determined on <u>a</u> section perpendicular to the longitudinal direction thereof.

3. (Currently Amended) A power transmission chain according to Claim 1, wherein each of the plural pinsplurality of pins substantially has the same sectional shape and sectional area as

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determined at any points point of the overall longitudinal length thereof, while and the plural

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pinsplurality of pins include said plural types of pins which have the mutually having different

sectional areas.

4. (Currently Amended) A power transmission chain according to Claim 1, wherein the

plural pins include each of said plural types of pins, the sections of which have mutually has a

different widths width with respect to a chain longitudinal direction compared to the other plural

types of pins, whereas

the plural plurality of links include plural types of links which have mutually having

different pitches, and

wherein a link of the plurality of links having the a greater pitch is penetrated by a pin of

the plurality of pins having the a greater width with respect to the chain longitudinal direction.

5. (Currently Amended) A power transmission chain according to Claim 1, wherein out of

the said plural types of pins which have the mutually having different sectional areas, a sectional

area of the thickest pin of said plural types of pins is 1.1 times or more and twice or less the a

sectional area of the thinnest pin of said plural types of pins.

6. (Currently Amended) A power transmission chain used as entrainedentrainable between

a first pulley possessing conical sheave surfaces and a second pulley possessing conical sheave

surfaces and operating operable to transmit power by way of contact between opposite end faces

of plural chain friction transmission members and the sheave surfaces of the first and second

pulleys, the chain friction transmission members arranged along a chain longitudinal direction at

predetermined space intervals,

the chain comprising a plurality of links each possessing first and second through-holes

arranged in the chain longitudinal direction, and a plurality of first pins and a plurality of second

pins, each of which plurality of first pins and plurality of second pins penetrates the first through-

hole of one link and the second through-hole of the other link thereby interconnecting the links,

adjoining in a chain widthwise direction, in a manner to provide bending in the chain

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longitudinal direction, wherein the first pin fixed in the first through-hole of the one link and

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movably fitted in the second through-hole of the other link and the second pin movably fitted in

the first through-hole of the one link and fixed in the second through-hole of the other link are

brought into relative movement in rolling contact thereby permitting the bending of the chain,

and wherein a locus of contact position between the first pin and the second pin is defined by an

involute of a circle and the first pins and the second pins are combined to form two or more types

of pairs which provide the involutes of base circles having different radii, and

wherein the plural chain friction transmission members include plural types of chain

friction transmission members which have mutually different rigidities against force acting in the

chain widthwise direction.

7. (Original) A power transmission chain according to Claim 6, wherein all the chain

friction transmission members substantially have the same length in the longitudinal direction

thereof.

8. (Currently Amended) A power transmission chain according to Claim 6, wherein the

plural chain friction transmission members include plural types of chain friction transmission

members which have mutually having different sectional shapes or sectional areas as determined

on <u>a</u> section perpendicular to the chain widthwise direction.

9. (Previously Presented) A power transmission chain according to Claim 6, wherein the

first pin or the second pin is a transmission pin also serving as the chain friction transmission

member.

10. (Currently Amended) A power transmission chain according to Claim 9, wherein the

plural transmission pins include plural types of transmission pins which have mutually having

different chain-longitudinal widths as determined on a section perpendicular to a pin-longitudinal

direction, and wherein the plural plurality of links include plural types of links which have

mutually having different pitches.

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- 11. (Previously Presented) A power transmission assembly comprising:
  - a first pulley possessing conical sheave surfaces;
  - a second pulley possessing conical sheave surfaces; and
  - a power transmission chain entrained between the first and second pulleys,

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- wherein the power transmission chain comprises one set forth in Claim 1.
- 12. (Currently Amended) A power transmission chain according to Claim 2, wherein each of the plural pinsplurality of pins substantially has the same sectional shape and sectional area as determined at any points point of the overall longitudinal length thereof, while the plural pinsplurality of pins include plural types of pins which have the mutually having different sectional areas.
- 13. (Currently Amended) A power transmission chain according to Claim 2, wherein the plural pins include each of said plural types of pins, the sections of which have mutually has a different widths width with respect to a chain longitudinal direction compared to the other plural types of pins, whereas

the <u>plural-plurality of links</u> include plural types of links <u>which have mutually having</u> different pitches, and

wherein a link of the plurality of links having the a greater pitch is penetrated by a pin of the plurality of pins having the a greater width with respect to the chain longitudinal direction.

14. (Currently Amended) A power transmission chain according to Claim 3, wherein the plural pins include each of said plural types of pins, the sections of which have mutually has a different widths width with respect to a chain longitudinal direction compared to the other plural types of pins, whereas

the <u>plural-plurality of links</u> include plural types of links <del>which have mutually having</del> different pitches, and

wherein a link of the plurality of links having the a greater pitch is penetrated by a pin of the plurality of pins having the a greater width with respect to the chain longitudinal direction.

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15. (Currently Amended) A power transmission chain according to Claim 2, wherein out of

the plural types of pins which have the mutually having different sectional areas, a sectional area

of the thickest pin is 1.1 times or more and twice or less the sectional area of the thinnest pin.

16. (Currently Amended) A power transmission chain according to Claim 3, wherein out of

the plural types of pins which have the mutually having different sectional areas, a sectional area

of the thickest pin is 1.1 times or more and twice or less the sectional area of the thinnest pin.

17. (Currently Amended) A power transmission chain according to Claim 4, wherein out of

the plural types of pins which have the mutually having different sectional areas, a sectional area

of the thickest pin is 1.1 times or more and twice or less the sectional area of the thinnest pin.

18. (Currently Amended) A power transmission chain according to Claim 7, wherein the

plural chain friction transmission members include plural types of chain friction transmission

members which have mutually having different sectional shapes or sectional areas as determined

on <u>a</u> section perpendicular to the chain widthwise direction.

19. (Previously Presented) A power transmission chain according to Claim 7, wherein the

first pin or the second pin is a transmission pin also serving as the chain friction transmission

member.

20. (Previously Presented) A power transmission chain according to Claim 8, wherein the

first pin or the second pin is a transmission pin also serving as the chain friction transmission

member.

21. (New) A power transmission chain according to Claim 2, wherein said plural types of

pins have different rigidities in the longitudinal direction thereof.